

Personal Computer Hardware Reference Library

Technical Reference Options and Adapters Volume 1

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Options and Adapters Volume 1

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Federal Communications Commission Radio Frequency Interference Statement

Warning: The equipment described herein has been certified to comply with the limits for a Class B computing device, pursuant to Subpart J of Part 15 of the FCC rules. Only peripherals (computer input/output devices, terminals printers, etc.) certified to comply with the Class B limits may be attached to the computer. Operation with non-certified peripherals is likely to result in interference to radio and TV reception. If peripherals not offered by IBM are used with the equipment, it is suggested to use shielded grounded cables with in-line filters if necessary.

CAUTION

The product described herein is equipped with a grounded plug for the user's safety. It is to be used in conjunction with a properly grounded receptacle to avoid electrical shock.

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Preface

The options and adapters manual is the second part of the *Technical Reference* publication. It is designed to be used in conjunction with any of the *Technical Reference* system unit manuals.

The information in this publication is for reference, and is intended for hardware and program designers, programmers, engineers, and anyone else with a knowledge of electronics and/or programming who needs to understand the design and operation of the options and adapters available for the IBM Personal Computer family of products.

This manual is modular in format, with each module providing information about a specific option or adapter available for the IBM Personal Computer family of products. Modules having a large amount of text contain individual indexes.

The modules are grouped by type of device. To find a specific module:

- 1. Locate the full length hard tab with the type of device (Displays, Printers, Storage Devices, etc.) printed on it that describes the option or adapter you need information about.
- 2. Open the book to that section.
- 3. Leaf through that section to find the proper module.

The front matter of this manual also provides a "System to Adapter Compatibility Chart," to identify the adapters supported by each system, and an "Option to Adapter Compatibility Chart," to identify the options supported by each adapter.

Notes:

System to Adapter Compatibility Chart

The following chart identifies the adapters supported by each system.

	IBM Personal Computer	IBM Personal Computer XT	IBM Portable Personal Computer	IBM Personal Computer AT	IBM Expansion Unit
64KB Memory Module Kit	Yes	Yes	Yes	No	No
64/256KB Memory Expansion Option	Yes	Yes	Yes	No	No
128KB Memory Expansion Option	No	No	No	Yes	No
256KB Memory Expansion Option	Yes	Yes	Yes	No	No
512KB Memory Expansion Option	No	No	No	Yes	No
Monochrome Display and Printer Adapter	Yes	Yes	No	Yes	No
Color/Graphics Monitor Adapter	Yes	Yes	Yes	Yes	No
Printer Adapter	Yes	Yes	Yes	No	Yes
5 1/4 inch Diskette Drive Adapter	Yes	Yes	Yes	No	No
Fixed Disk Drive Adapter	Yes	Yes	No	No	Yes

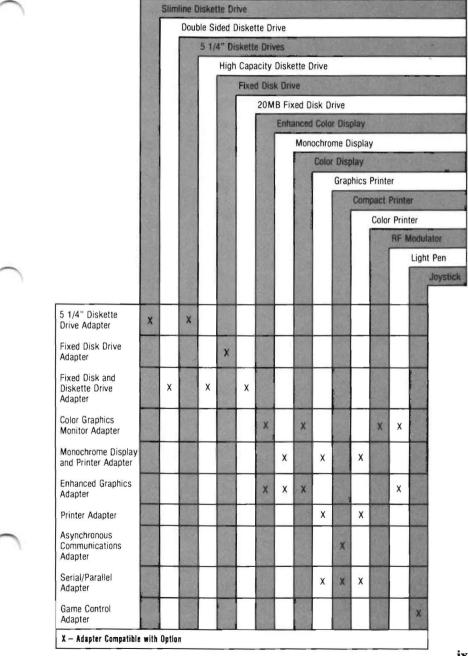
System to Adapter Compatibility Chart (Part 1 of 2)

	IBM Personal Computer	IBM Personal Computer XT	IBM Portable Personal Computer	IBM Personal Computer AT	IBM Expansion Unit
Fixed Disk and Diskette Adapter	No	No	No	Yes	No
Asynchronous Communications Adapter	Yes	Yes	Yes	No	Yes
Serial/Parallel Adapter	No	No	No	Yes	No
Binary Synchronous Communications Adapter	Yes	Yes	Yes	Yes	Yes
Synchronous Data Link Control (SDLC) Adapter	Yes	Yes	Yes	Yes	Yes
Cluster Adapter	Yes	Yes	Yes	Yes	Yes
Game Control Adapter	Yes	Yes	Yes	Yes	Yes
Prototype Card	Yes	Yes	Yes	No	Yes
Prototype Adapter	No	No	No	Yes	No
Enhanced Graphics Adapter	Yes	Yes	No	Yes	No
Professional Graphics Controller	No	Yes	No	Yes	Yes
GPIB Adapter	Yes	Yes	Yes	Yes	Yes
Data Acquisition Adapter	Yes	Yes	Yes	Yes	Yes
P C Network	Yes	Yes	Yes	Yes	No

System to Adapter Compatibility Chart (Part 2 of 2)

Option to Adapter Compatibility Chart

Because some adapters perform multiple functions, the following chart identifies the options supported by each adapter.



Notes: